SITE INSPECTION WORK PLAN TO PA SCORE SHEETS

FOR:

Carus Chemical Company

PREPARED BY

PRE-REMEDIAL UNIT DIVISION OF LAND POLLUTION CONTROL ILLINOIS ENVIRONMENTAL PROTECTION AGENCY 2200 CHURCHILL ROAD SPRINGFIELD, ILLINOIS 62794

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I. SITE INFORMATION

I. GENERAL	•
Site Name: Carus Chemical Company	ILD# <u>005477666</u>
Site Location: 1500 Eighth Street	LPC# <u>0998160003</u>
La Salle, Illinois	Work plan prepared by:
La Salle County	Robert L. Casper
Estimated inspection date: November 20, 1991	Work plan approved by:
*************	*******
II. <u>THE ASSIGNMENT</u> (briefly describe the objecti how they are going to be accomplished).	ves of the inspection and
The purpose of a Screening Site Inspection is to	document site
contamination and identify the potential migration	n pathways contaminants
may be transported. Groundwater and soil/sediment	t samples will be
collected during the SSI to be used to evaluate t	the impact of
contamination.	· · · · · · · · · · · · · · · · · · ·
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III. <u>SITE DESCRIPTION</u> (briefly describe the site unique geological features, source(s) of con disposal and current status of activities).	
Carus Chemical Company, located at 1500 Eighth St	reet, La Salle, Illinois
is an active site involved in the production of pe	ermanganate and other
inorganic chemicals as well as dihydroxybenzene ()	nydroquinone) which is
used in photographic processing. Drainage from the	e site flows toward the
east. The land east of the area used for manufact	turing activities drops
sharply toward the Little Vermilion River. Water	used at the facility is

obtained from the city of La Salle who derives it from municipal wells.

Approximately 1.2 million gallons of water used daily in the manufacturing process is eventually discharged into the Little Vermilion River after it first is monitored for ph and absorbance and then travels through a four acre settlement pond. The water then passes into the Little Vermilion

River via an overflow pipe. Approximately 50,000 gallons of sanitary wastewater per day is handled separately and is discharged into the city of La Salle sewer system.

IV. SITE HISTORY (briefly describe the history of the site including previous owners, reported injuries, complaints, govt. action).

The company was founded in 1912 and began operations at the present location in 1915. The site is adjacent to an area that has been in use prior to 1912 and up to the present as a zinc processing facility. The site has visible areas of cinder and slag that was dumped in the past by the zinc processing plant located directly north of the Carus Chemical Company site.

II. SAFETY CONSIDERATIONS

I. PHYSICAL HAZARDS AT SITE (briefly describe any physical hazards that the inspection team may encounter at the site).

The sampling points area is located within the site boundaries, therefore, traffic is not a concern. However, portions of the site contain brush and irregular terrain. Weather factors, such as cold or thunderstorms, are a possibility with precautions taken to prevent any problems from these factors.

	T SITE (briefly identify those chemicals that are ted to be present, include their state and physical
Chemicals suspected to	be present on site are inorganic chemicals
associated with the mar	nufacture of manganese, cerium and cesium compounds
in addition to organic	substances involved in the manufacture of
hydroquinone. These cor	mpounds may be found in soil/sediment or in
groundwater samples.	
******	************
	ATORY PROTECTION (identify the level of personal ill be used, including anticipated modifications).
Level D protection will	be used at all times, with continuous air
monitoring during the	sample collection. If an increase occurs, the
following will be imple	emented:0-5 units over background Level C
	5-50 units over background Level B
	50-500 units over background Level A
******	************
IV. EMERGENCY INFORMAT	<u>ION</u>
Nearest Hospital:	Ill. Valley Community Hospital (Phone) 815-223-3300
Hospital Location:	925 West Street
	Peru, Illinois
Ambulance Service:	La Salle Ambulance Service (Phone) 815-523-9111
Fire Service:	La Salle Fire Department (Phone)815-223-2121
Police:	La Salle Police Department (Phone)815-223-2131
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III. FIELD ACTIVITIES

I. TEAM ASSIGNMENTS

(check all that apply)

II.

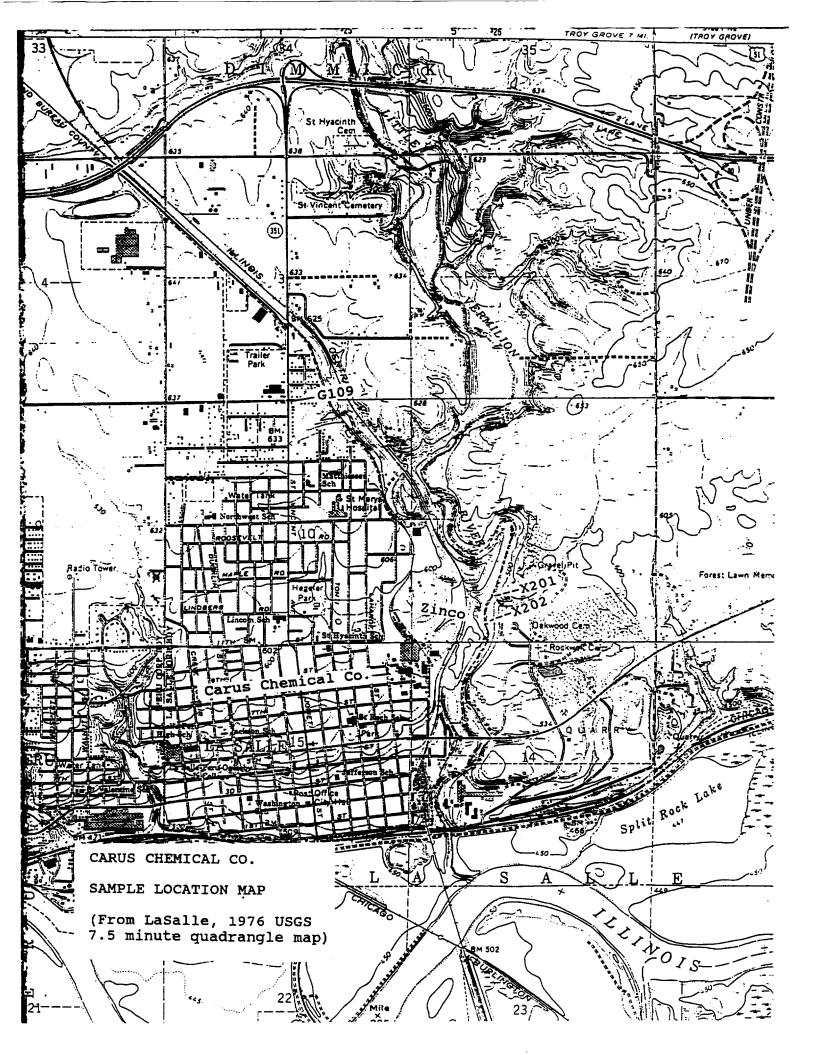
NAME	Responsibility
Robert Casper	Project Manager
Greq Dunn	Safety Officer/Sampler
Kim Nika	Sampler
Tim Murphy	Sampler
FIFID WORK PROPOSED	•

Activity **Procedures** X Ambient Air Sampling (OVA, HNU, etc.) IEPA Methods Manual pp.19-23 X Groundwater Sampling IEPA Methods Manual pp.1-5 ___ Surface Water Sampling IEPA Methods Manual pp.6-10 IEPA Methods Manual pp.13-18 X Soil/Sediment Sampling ___ Tap Water Sampling IEPA Methods Manual pp.11-12 ___ Slope Determinations IEPA Methods Manual pp.24-25 X Water Level Measurements IEPA Methods Manual p.31 X Perimeter Survey IEPA Methods Manual p.33 X Site Inspection IEPA Methods Manual pp.34-39 ___ Soil Borings/Well Installation IEPA Methods Manual pp.26-30 X Public Interviews IEPA Methods Manual p.40 ___ Groundwater Flow Determination IEPA Methods Manual p.32 X Decontamination Procedures IEPA Methods Manual pp.41-56 Others:

IV. SAMPLING

1.	employ in their collection of environmental samples).		
	All samples will be col	lected in accordance	with the Illinois
	Environmental Protection	n Agency's Site Inspe	ction OAPP. Monitor
	wells samples will be c	ollected with teflon	bailers and the soil/
	sediment samples will b	e collected with stair	nless steel spoons.
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ıı.	LOCATION OF SAMPLES (ic their location. The at		
	Sample #	Type	Location
	G101, G103, G106	Groundwater	see attached map
	X101-X105	Soil/Sediment	see attached map
	X201-X207	Sediment	see attached map
	G109	Groundwater	see attached map
	******	********	*****
III.			y that will perform the nclude requested analysis)
	The target compound lis	t will be run on all	samples. All organic
	and inorganic samples w	vill be analyzed by AR	DL in Mount Vernon, IL.





ATTACHMENT I

RECORDS AND DOCUMENTATION (Check the records or documents that will be generated during this project)

<u> </u>	Work Plan
<u>X</u> .	Safety Plan
<u>x</u>	Sampling Plan
<u> x</u>	Equipment Checklist
<u> </u>	Log Book
<u> </u>	Chain of Custody Records
<u>x</u>	Sample Analysis Records .
<u>x</u>	Photographs
	Drilling Logs
<u>x</u>	Correspondence
<u> </u>	Personal Interview Tapes or Transcripts
<u>x</u>	Maps
<u>x</u>	Instrument Calibration Records
	Procurement Documents
<u> </u>	Site Inspection Form (2070-13)
<u>x</u>	HRS Scoring Package
	Other (specify)
	Other (specify)